

1 GGCACCCAGGAGATCTAGCTTCAAAATTAATGTTGCCCTAGTGGTAAAGGACAGAGACCCCTCAGACTGATGAATGGGCTCAGAATTACTTAGACAA
 37 AGCGGATATTTGCCACTCTCTTCCCTTTTCTGTGTTTGTAGTGAAGAGACCTGAAACAAAAAGTAGGGAGAACATAATGAGAACAAATACG
 193 GTAATCTCTTCATTTCCTAGTTCAAGTCTGGACTTGGGACTTAGGAGGGGCAATGGAGCCGCTTAGTGCCTACATCTGACTTGGACTGAAATATA
 289 GGTGAGAGACAAAGATTGTCTCATATCCGGGGAAATCATTAACCTATGACTAGGACGGGAAGAGGAAGCACTGCCTTTACTTCACTGGGAATCTCGGC
 385 CTCAGCCTGCAAGCCAAAGTGTTCACAGTGAAGAAAGCAAGAGAAATAGCTAATACTCTGTCTGCTGAACAAGGCGCGCTCTTGGTAAAGCTACT
 481 CCTTGATCGATCCTTTGCAACCGGATTGTTCAAAGTGGACCCAGGGGAGAAAGTGGGAGCAAACTTACCACCAAGCAGTCCAAGAGGCCAGAA
 577 GCAAACCTGGAGGTGAGACCCAAAGAAAGCTGGAAACCATGCTCAGCTTTGTACACTGTGAGGACACAGAGTCTGTTCTGGAAAGCCAGTGTCAAC
 LEVRFPKESWNHADFFVHCEDTESVP GKPSVN 30
 673 GCAGATGAGGAAGTCGGACGCTCCCAAATCTCCCGTGTATGTGGGACAAAGGCCACTGGCTATCACTTCAATGTGATGACATGTGAAGGATGCAAG
 ADEEVGGPQICRVCGDKATGYHFHVMTCEGCK 62
 769 GGCCTTTTCAGGAGGGCCATGAAACGCAACGCCCGCTGAGGTGCCCTTCCGGAAGGGCGCTGCGAGATCACCCGGAAGACCCGGCGACAGTCC
 GFFRRRAMKRWARLRCPFRKGAACEITRKTTRRQC 94
 865 CAGGCTTCCCGCTGCGCAAGTGCCTGGAGAGCGGCATGAAGAAGGAGATGATCATGTCCGACGAGGCGGTGGAGGAGAGGGCGGCTTGATCAAG
 QACRLRKCLZSGMKKEHIMSD EAVEERRALIK 126
 961 CGGAAGAAAAGTGAACCGGACAGGGAAGTCCAGGCTGGAGTTCAGGGGTGACAGAGGAGCAGCGGATGATGATCAGGGAGCTGATGGAGCGCTCAG
 RKKSERTGTQPLGVQGLTEEQRMHIRELMDAQ 158
 1057 ATGAAAACCTTTGACTACTCTTCTCCCATTTCAAGAATTTCCGGCTGCCAGGGGTGCTTAGCAGTGGCTGCGAGTGGCAGAGCCCTCTGCGAGGCC
 KKTFTDTTFSHFKNFRRLPLGVLS SGCELP EPLQA 190
 1153 CCATCGAGGGGAAGAAGCTGCCAAGTGGAGCCAGGTCCGGAAAGATCTGTCTCTTTGAAGGTCTCTCTGCAAGCTGCGGGGGAGGATGCGCAGTGT
 PSREEEAAKWSQVVRKDLC SLKVS LQAAGGGGWQC 222
 1249 CTGGAAGTACAAACNCCAGCCGACAGTGGCGGAAAGAGATCTTCTCCCTGCTGCCCCACATGGCTGACATGTCAACCTACATGTTCAAAGGCATC
 LE LQTFSRQWRKEIFSL LPHMADHSTYMF KGI 254
 1345 ATCAGCTTTGCCAAAGTCACTCTCTTCTCAGGGAAGTTCGCCCATCGAGGACAGATCTCCCTGCTGAAGGGGGCGGCTTTCCAGCTGTGTCAACTG
 ISPAKVISYFRDLPIEDQIS L LKGA AFELCQL 286
 1441 AGATTCAACACAGTGTTCACGCGGAGACTGGAACCTGGGAGTGTGGCCGGCTGTCTCTACTGCTTGGAAAGACACTGCAGGTGGCTTCCAGCAACTT
 RFNTVF NAE TGTWECGR LSYCLEDTAGGFQQL 318
 1537 CTACTGGAGCCCATGCTGAAATCCACTACATGCTGAAGAAGCTGCAGCTGCATGAGGAGGAGTATGTGCTGATGCAGGCCATCTCCCTCTTCTCC
 LLEPH LKFHYHLKKLQLHEEEYV LMQAISLS 350
 1633 CCAGACCCGCCAGGTCTCTGTCAGCACCGCGTGGTGGACAGCTGCAGGAGCAATTCGCCATTACTCTGAAGTCTACATTGAATGCAATCGGCCC
 PDRP.GVLQH R VVDQLQE QPAIT LKSYIECNRP 382
 1729 CAGCCTGCTCATAGGTTCTGTTCTCTGAAGATCATGGCTATGCTCACCGAGCTCCGAGCATCAATGCTCAGCACACCCAGCGGCTGCTGCCCATC
 QPAHRFLFLKIMAKLTELRSIN AQHTQLRLRI 414
 1825 CAGGACATACACCCCTTTGCTACGCGCCTCATGCAAGAGTGTGTCGGCATCAGGTAGCTGAGCGGCTGCTTGGGTGACACCTTCGAGAGGGCAG
 QDIHPFATPLMQELFGITGS 436
 1921 CCAGACCCAGAGCCCTCTGAGCGCGCACTCCCGGCCAAGACAGATGGACACTGCCAAGAGCCGACAAATGCCCTGCTGGCTGTCTCCCTAGGSA
 2017 TTCCTGCTATGACAGCTGGCTAGCATCTCTCAGGAAGGACATGGGGTCCCC 2068

FIG. 1A

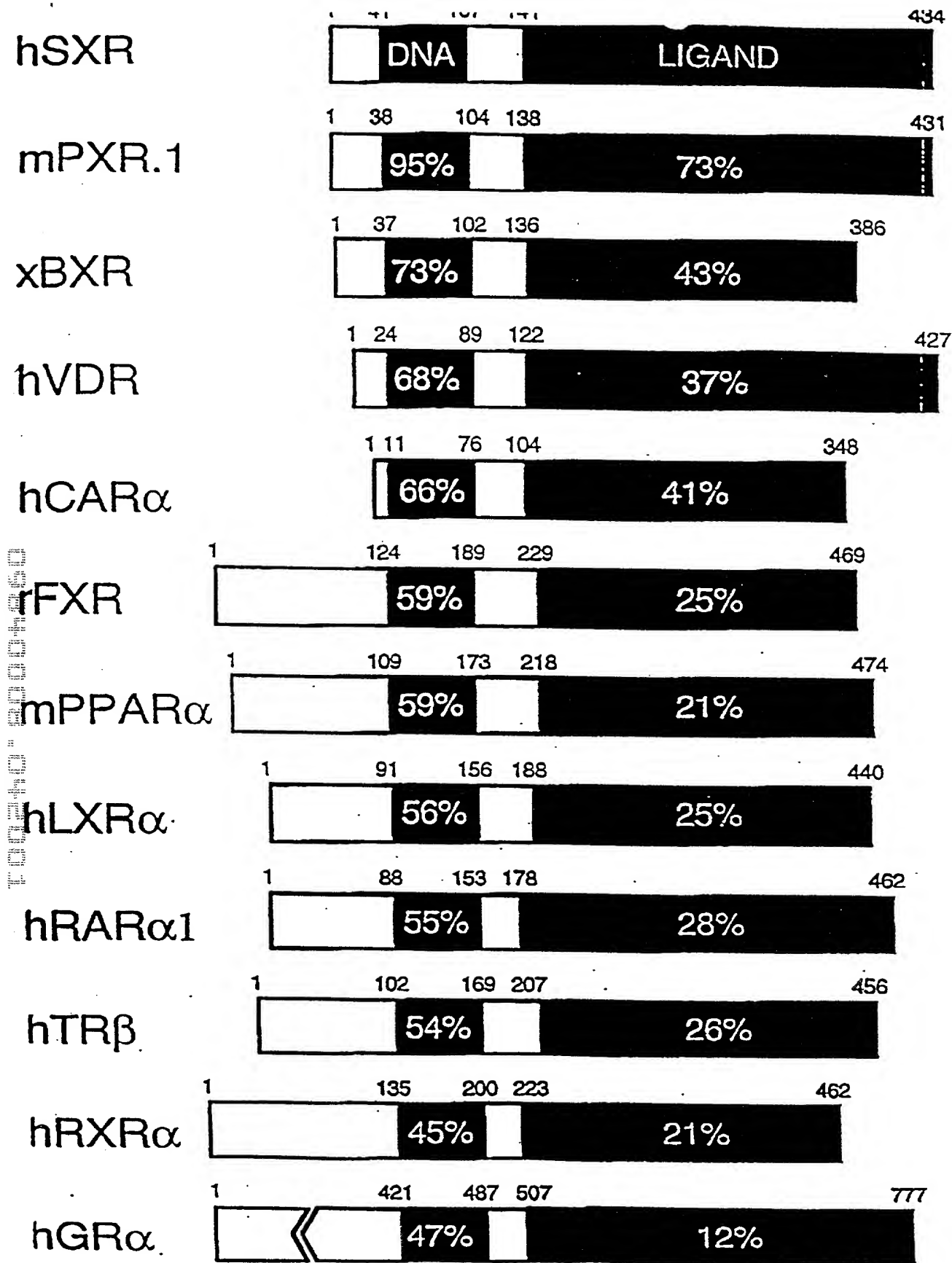


FIG. 1B

092410008-042001

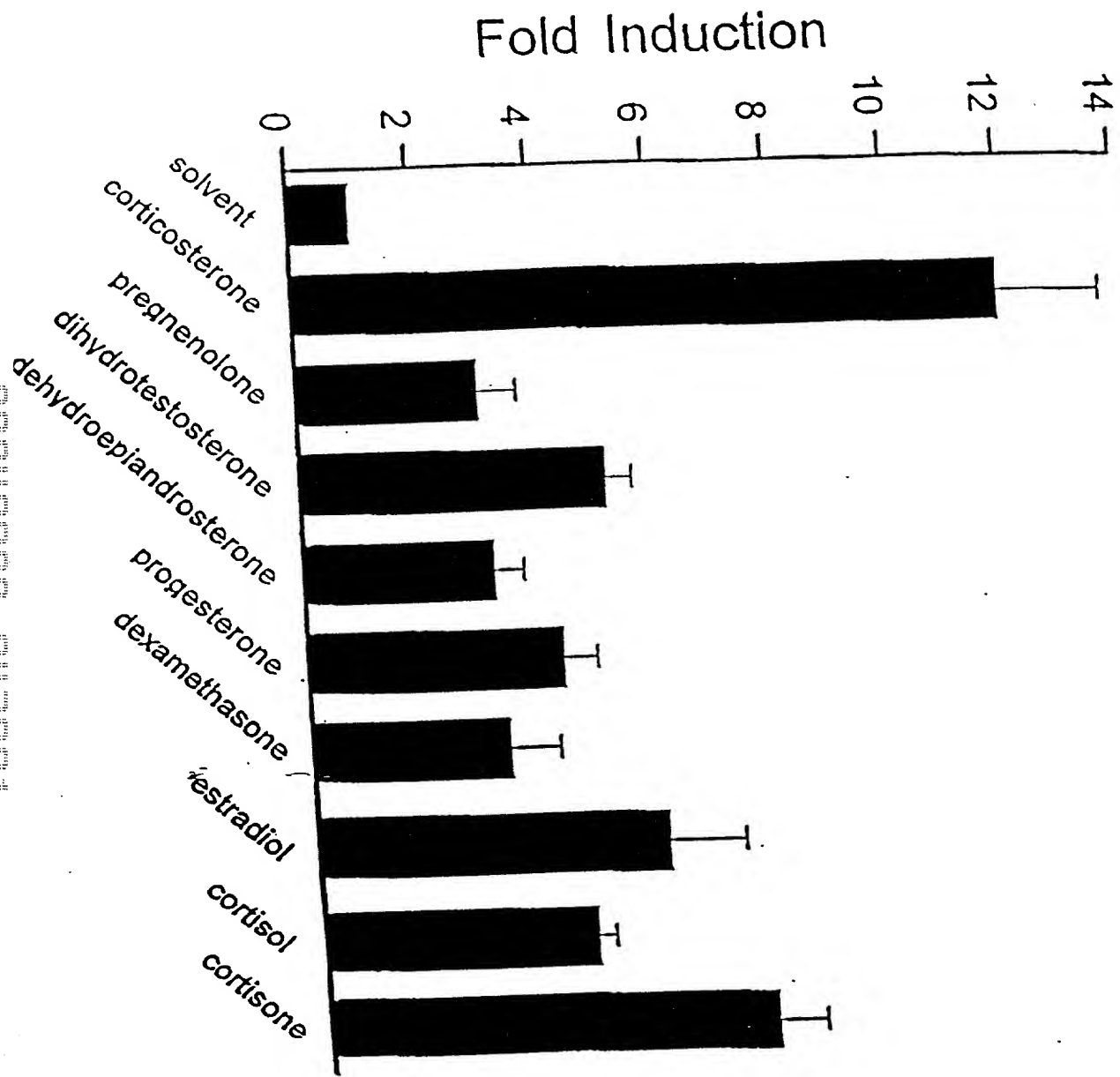


FIG. 2

Fold Induction

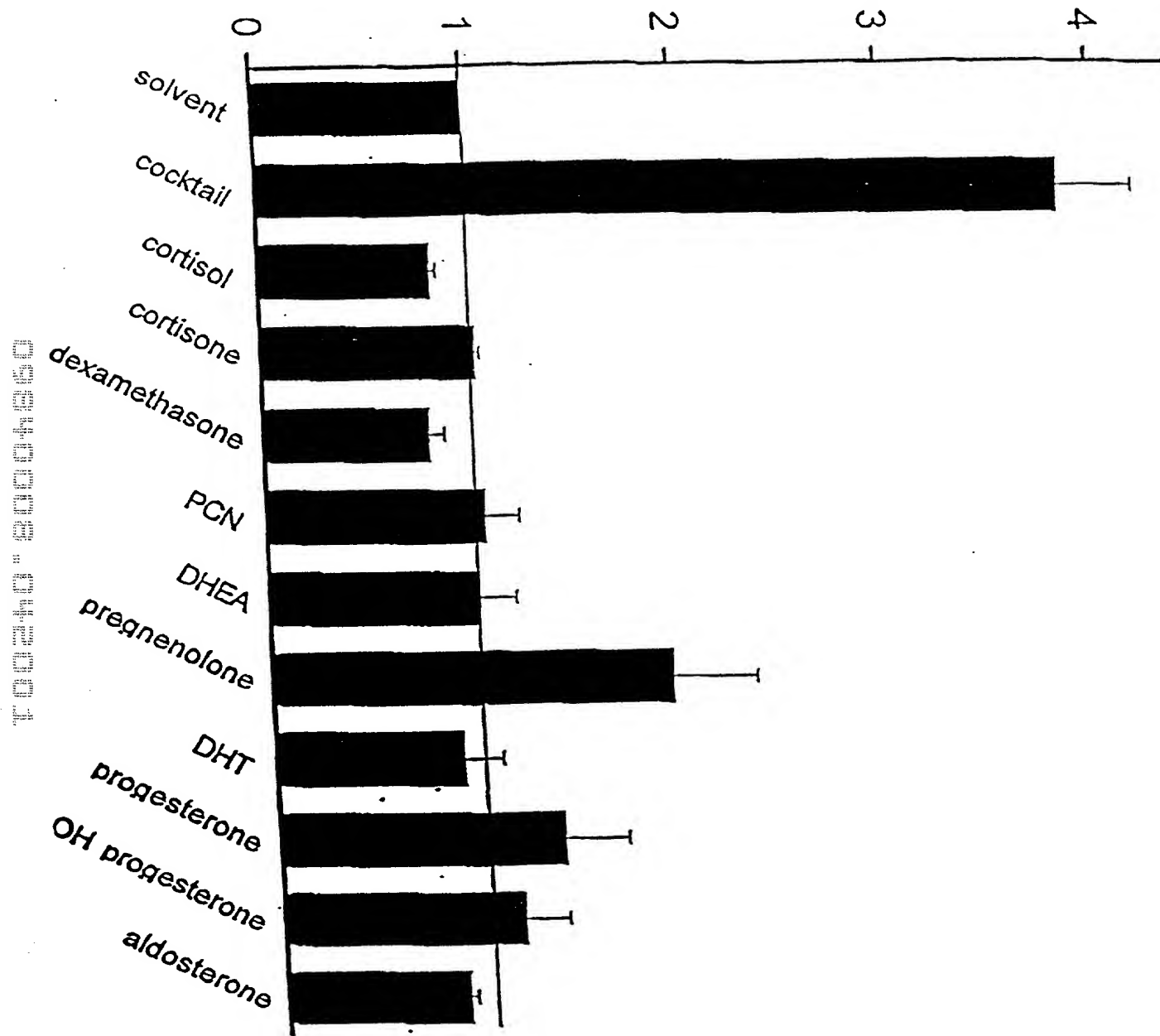


FIG. 3

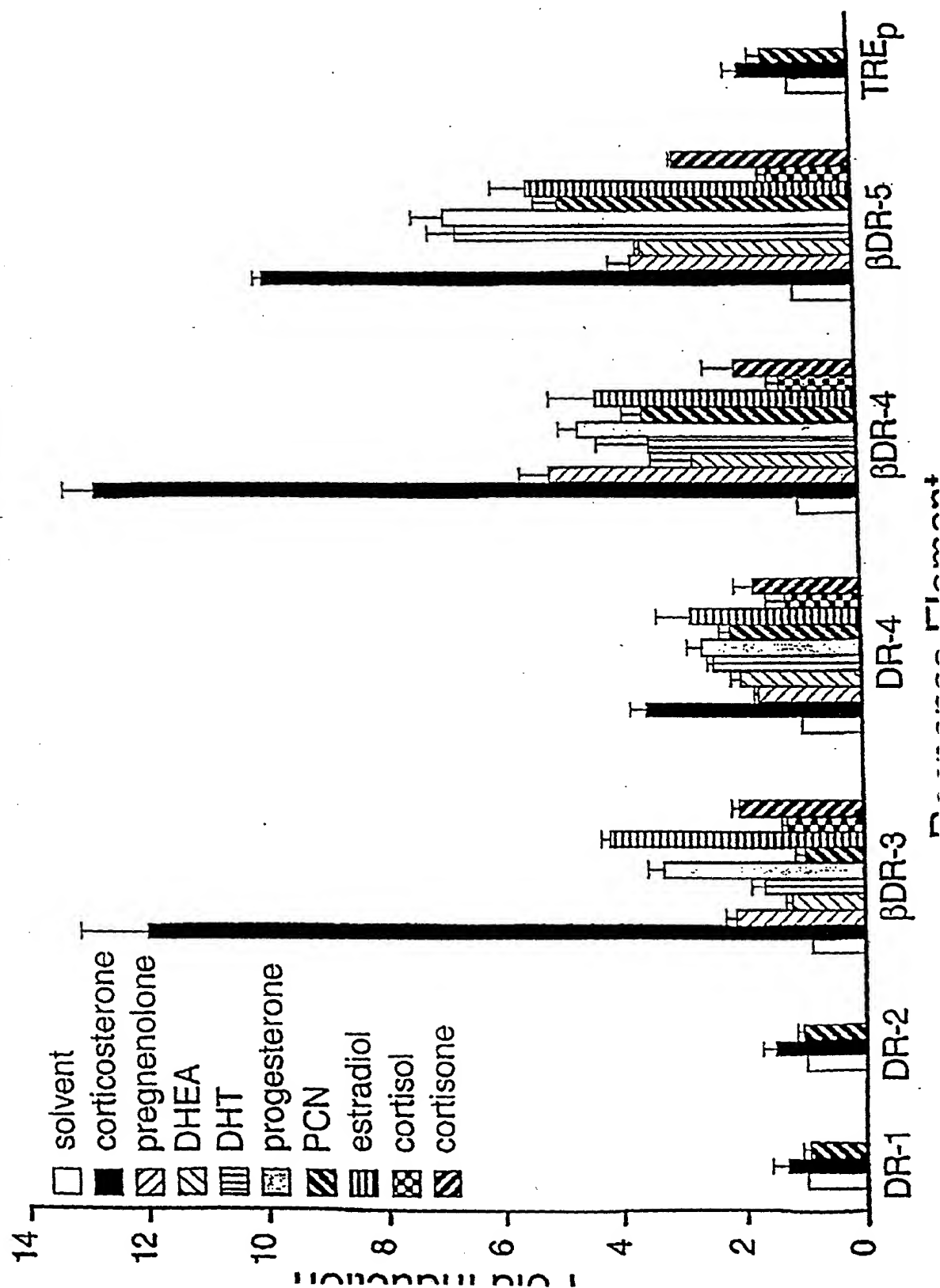


FIG. 4

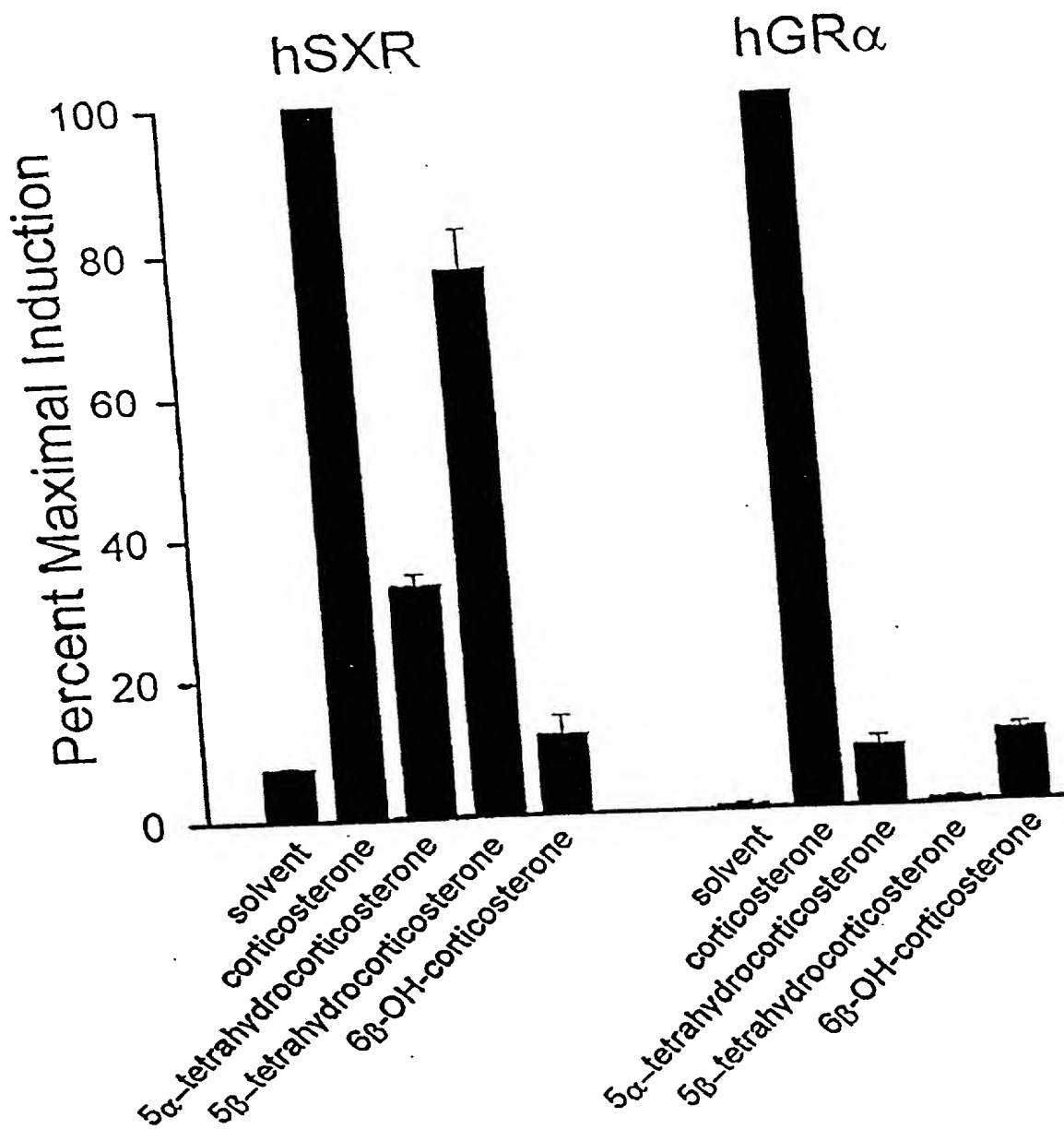


FIG. 5

DR-3
rCYP3A1
rCYP3A2
rUGT1A6

tagac AGTTCA tga AGTTCA tctac
taagc AGTTCA taa AGTTCA tctac
actgt AGTTCA taa AGTTCA catgg

DR-4
rbcYP2C1
rP450R

caatc AGTTCA acag GGTTCa ccaat
cac AGGTGA gctg AGGCCA gcagc AGGTCCG aaa

DR-5
rCYP2A1
rCYP2A2
rCYP2C6
hCYP2E1

gtgca GGTTCa actgg AGGTCA acatg
gtgct GGTTCa actgg AGGTCA gtatg
agtct AGTTCA gtggg GGTTCa gtctt
gagat GGTTCa aggaa GGGTCA ttaac

FIG. 6A

CYP3A4
CYP3A5
CYP3A7

tagaata TGAACt caaagg AGGTCA gtgagtgg
tagaata TGAACt caaagg AGGTAA gcaaaggg
tagaata TTAACt caatgg AGGC.A gtgagtgg

FIG. 6B

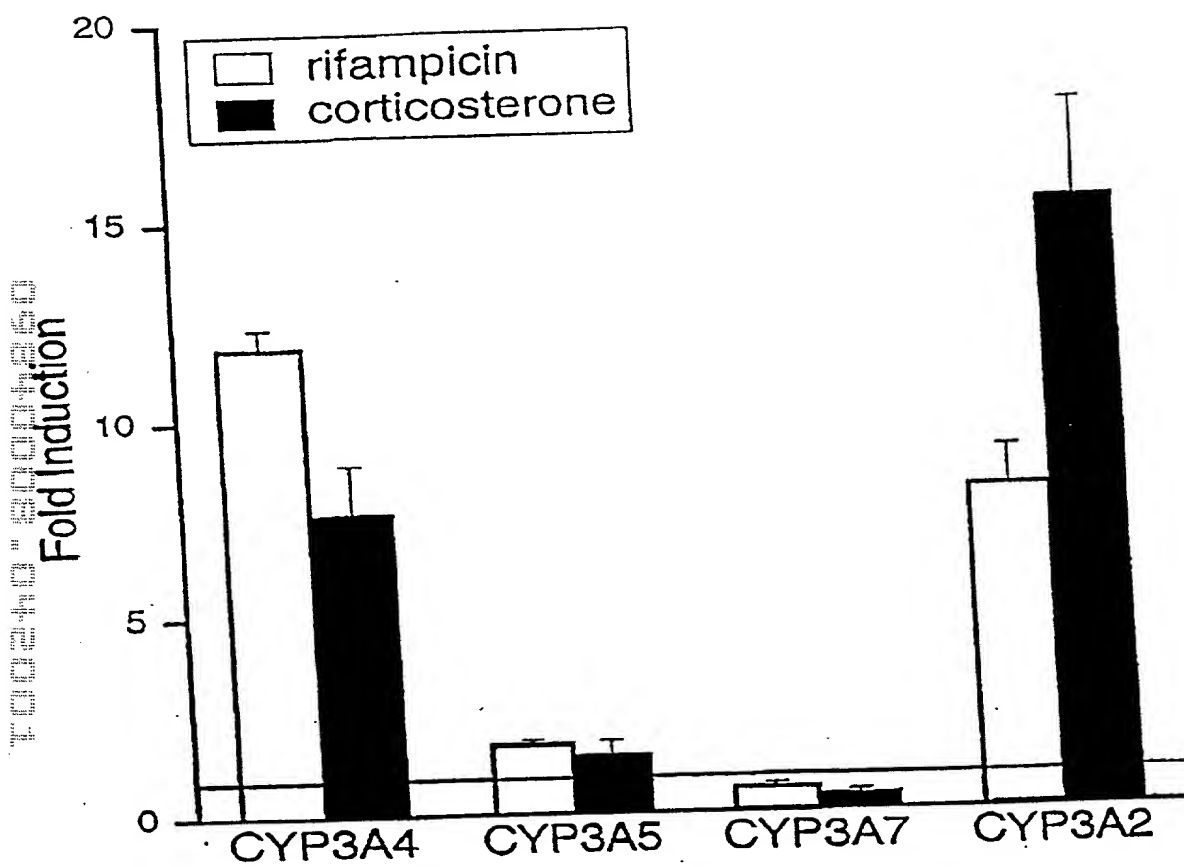
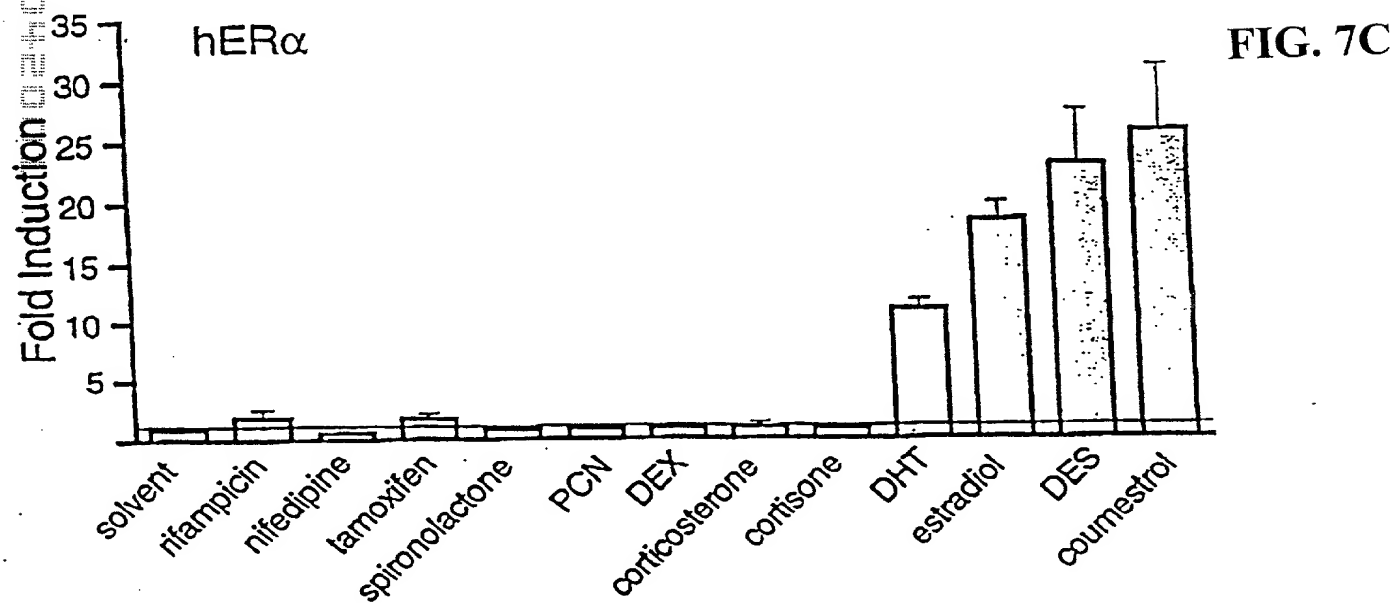
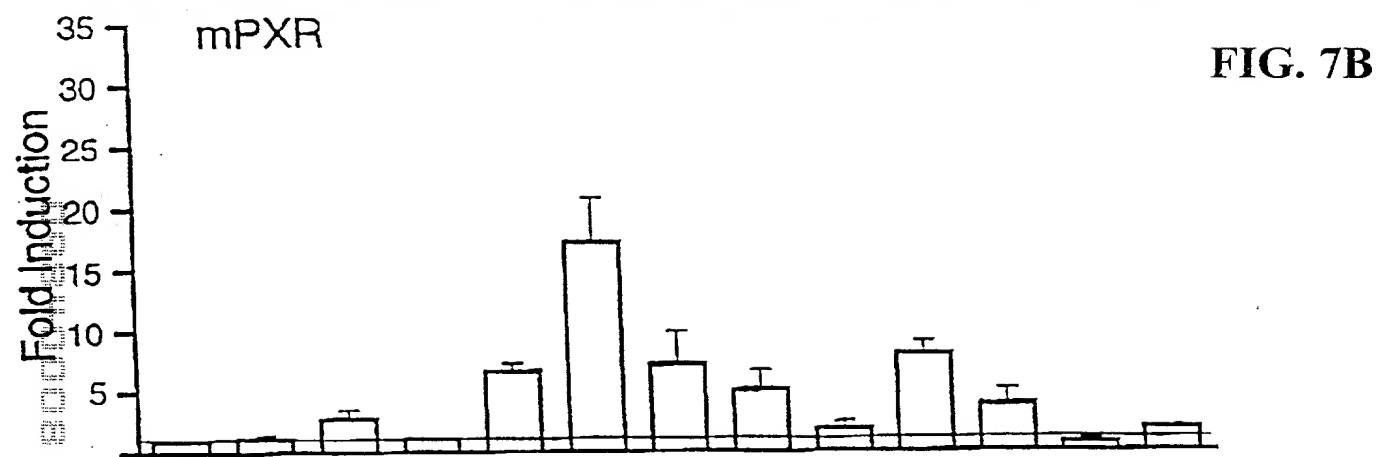
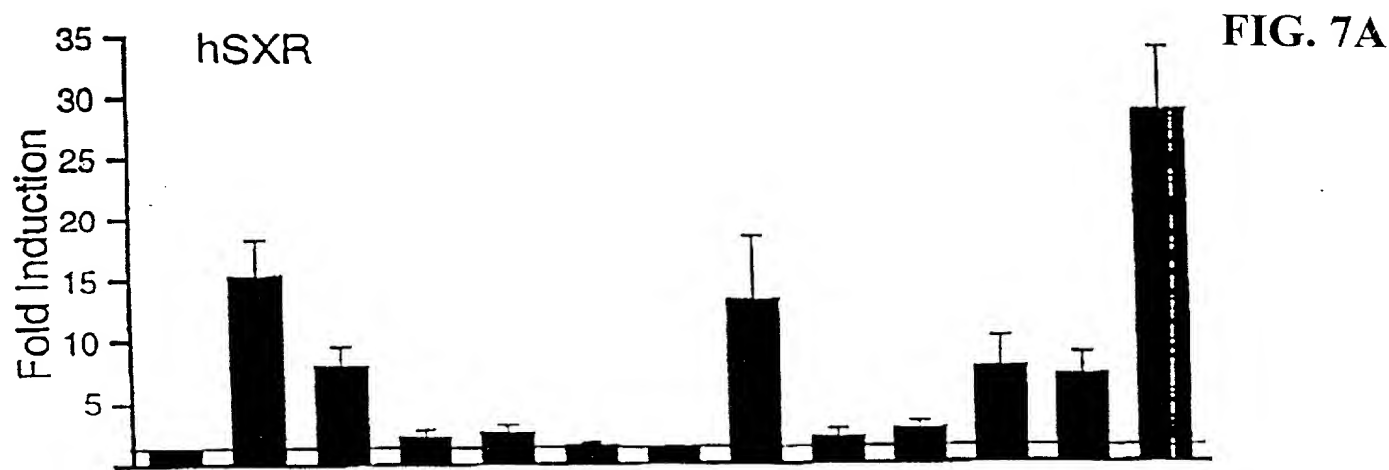
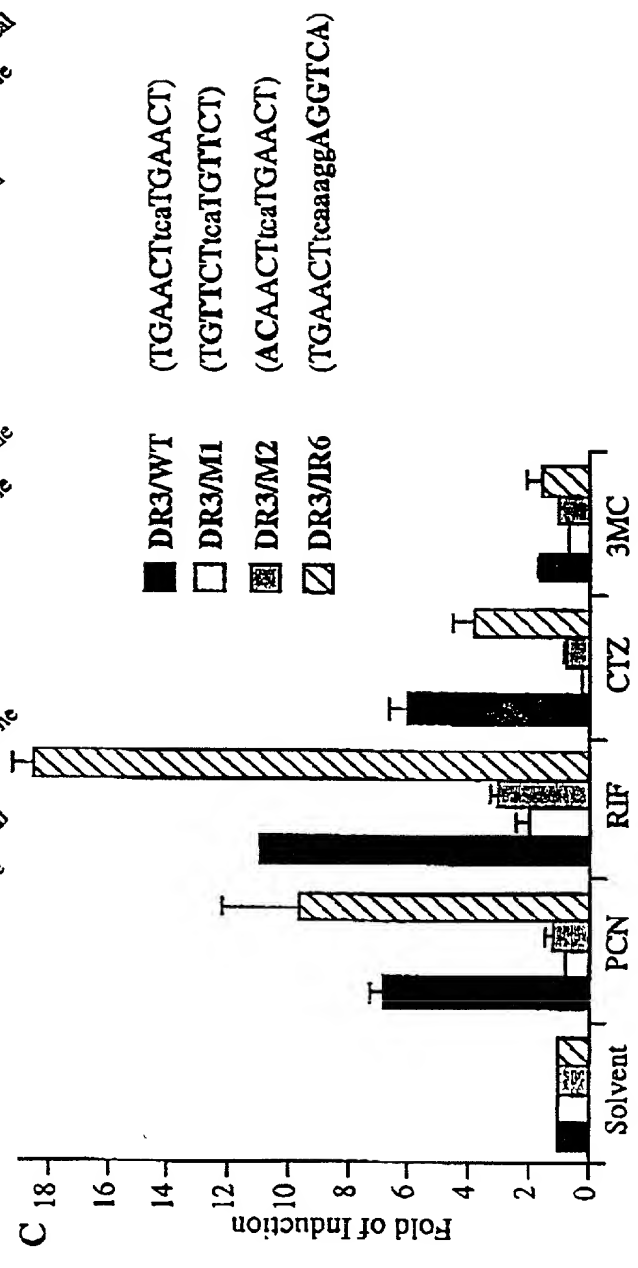
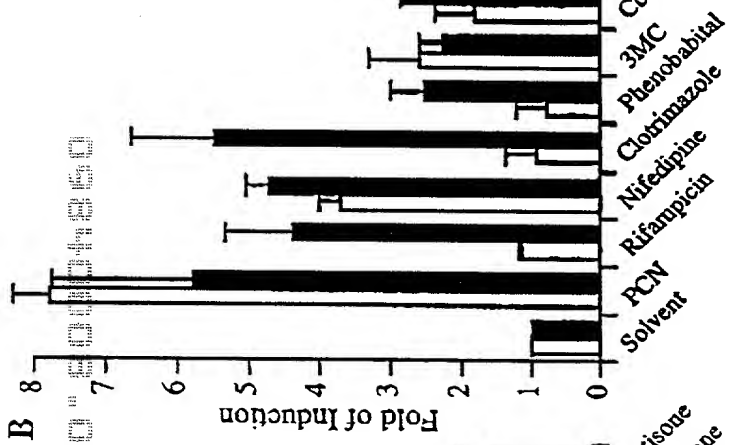
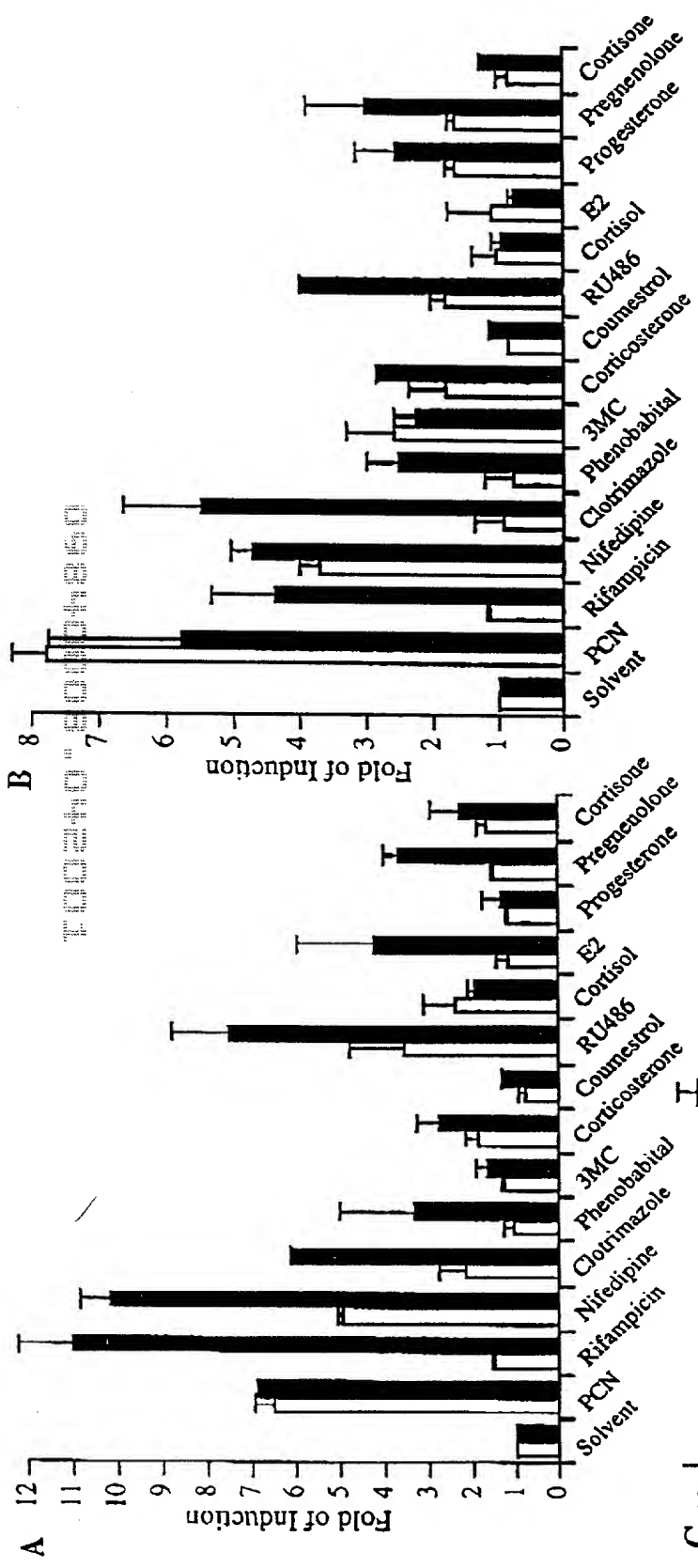


FIG. 6C





(TGAACtcaTGAACT)
 (TGTTCtcaTGTCT)
 (ACAACTcaTGAACT)
 (TGAACtcaaggAGGTCA)

FIG. 8

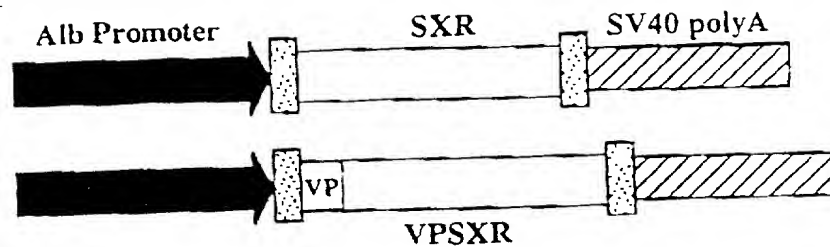


FIG. 9

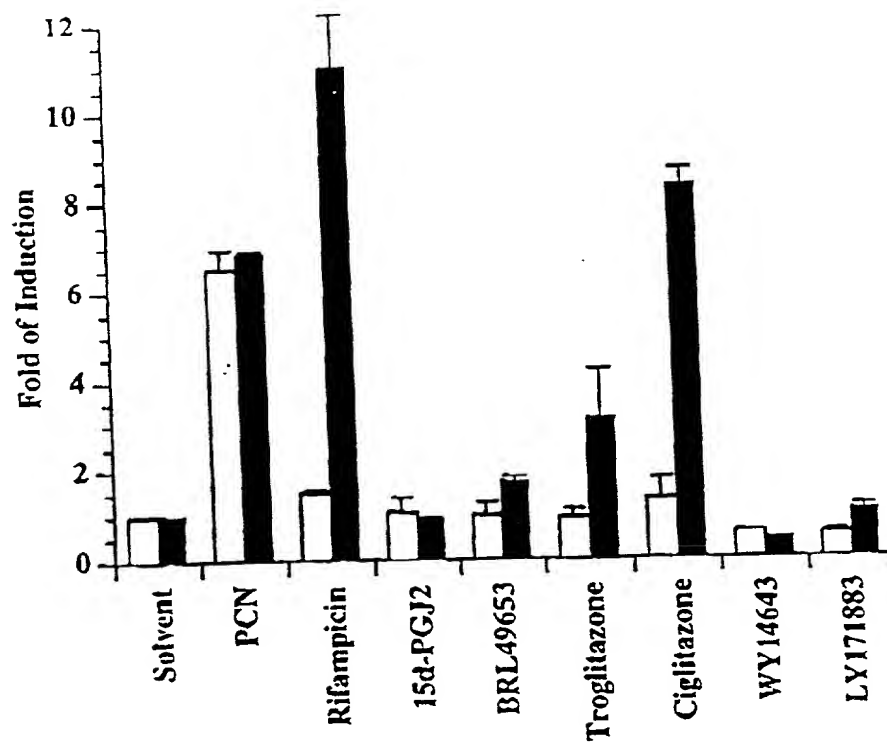


FIG. 10

T00240-80004860

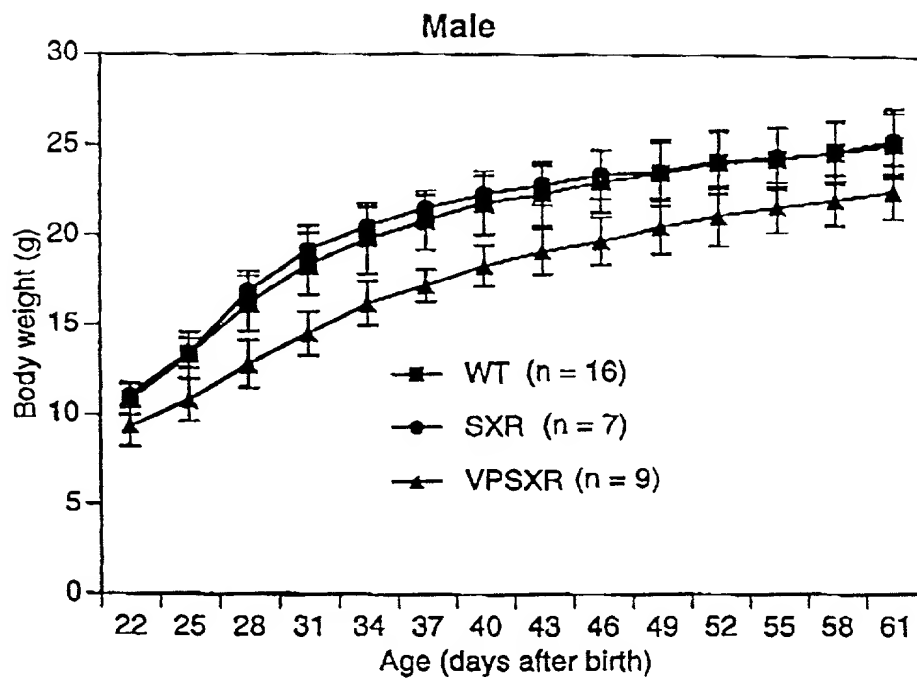


FIG. 11

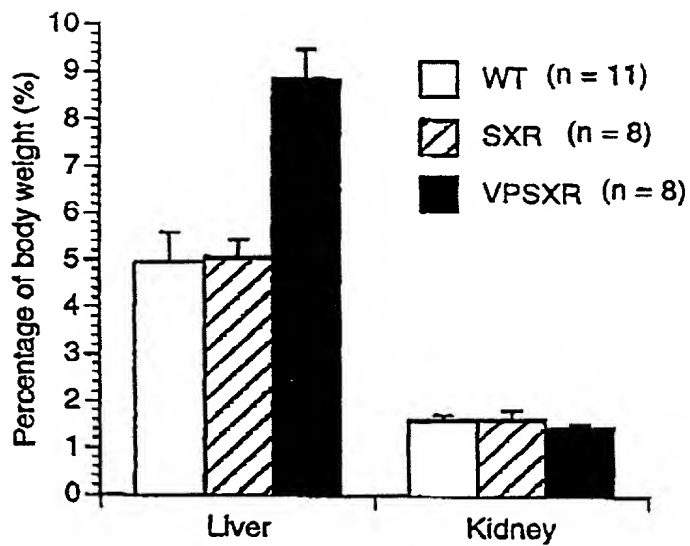


FIG. 12